

CLAIMS

1. Continuous installation (10) for production of plastic laminates including multi-layer laminates (110, 120, 130) comprising a cold press (11) with a fixed lower plate (12) and an upper mobile plate (13),
- 5 characterized in that on the upper surface (15) of the lower plate (12) of the press (11) a metal band (20) is placed to carry and draw inside the press components of the plastic laminates consisting of bands of pre-preg (70, 71, 80, 81) and strips of copper (50, 90) maintaining continuous contact with a pair of electrodes (30, 31), situated respectively at the entrance to and exit from the press, connected to a generator (40) of electric current of adequate power, so that, when said components of the plastic laminates have
- 10 been drawn inside the press, causing closure both of the press and of said electric circuit, the fraction of said metal band (20) comprised between the two electrodes (30, 31) acts as an electric resistance generating the heat required for pressing.
2. Continuous installation (10) as in claim 1,
- 15 characterized in that electric motor-driven means unwind the metal band (20) from a reel (25) placed at entry to the press (11) and rewind it onto a reel (26) placed at the exit.
3. Continuous installation (10) as in claims 1 and 2, characterized in that the metal band (20) is of aluminium.
- 20 4. Continuous installation (10) as in claim 1, characterized in that the bands of pre-preg (70, 71, 80, 81) and strips of copper (50, 90) are fed in from reels (75, 76, 82, 83) their onward movement being aided by electric motor-driven means.
5. Continuous installation (10) as in claim 1,
- 25 characterized in that the components (50, 70, 71, 80, 81, 90) of the plastic laminates comprise a group of components (70, 71) here called a lower group, placed to slide on the surface of a horizontal structure (60) situated upstream of the press (11) substantially at the level of the metal band (20) for supporting and drawing the components along, placed inside the press itself.
- 30 6. Continuous installation (10) as in claim 5,

characterized in that one or more rows of a number of multi-layer laminates (130) are placed on the fraction of the lower group (70,71) preset on the surface of the horizontal structure (60).

7. Continuous installation (10) as in claims 1, 2, and 4,

5 characterized in that an electronic programming and control processor coordinates opening and closure of the press (11), translation inside said press of the metal band (20) for supporting components and drawing them in, and the motor-driven means for feeding in the components (50, 70, 71, 80, 81, 90) of plastic laminates, regulating their working cycles.

10 8. Continuous installation (10) as in claims 1, 5 and 6,

characterized in that, on completing introduction inside the press (11) of the components (50, 70, 71, 80, 81, 90) of the plastic laminates comprising, if present, multi-layer laminates (120), and after closure of said press to start the cycle, a fresh set of multi-layers is placed on the lower group of components (70,71) on the depositing and sliding
15 surface of the horizontal structure (60) upstream of the press, and in that on completion of the cycle when said press opens, the metal supporting band (20) extracts from the exit

of the press the laminates and multi-layer laminates (120) produced and simultaneously introduces, at entry to the press, the fresh fraction of components (50, 70, 71, 80, 81,
20 90) and therefore the multi-layer components (130) laid on the lower group of said components, to begin a new cycle.

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